

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number  
WO 2004/063615 A1

(51) International Patent Classification<sup>7</sup>: F16L 33/207

(21) International Application Number:  
PCT/EP2003/014367

(22) International Filing Date:  
17 December 2003 (17.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
MI2003A000010 8 January 2003 (08.01.2003) IT

(71) Applicants and

(72) Inventors: ROMANELLI, Antonio [IT/IT]; Via Adolfo Omodeo, 123, I-80128 Napoli (IT). ROMANELLI, Carmine [IT/IT]; Via Adolfo Omodeo, 120, I-80128 Napoli (IT). ROMANELLI, Mario [IT/IT]; Via Adolfo Omodeo, 115, I-80128 Napoli (IT).

(74) Agent: FARAGGIANA, Vittorio; Ingg. Guzzi & Ravizza S.r.l., Via Vincenzo Monti, 8, I-20123 Milano (IT).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

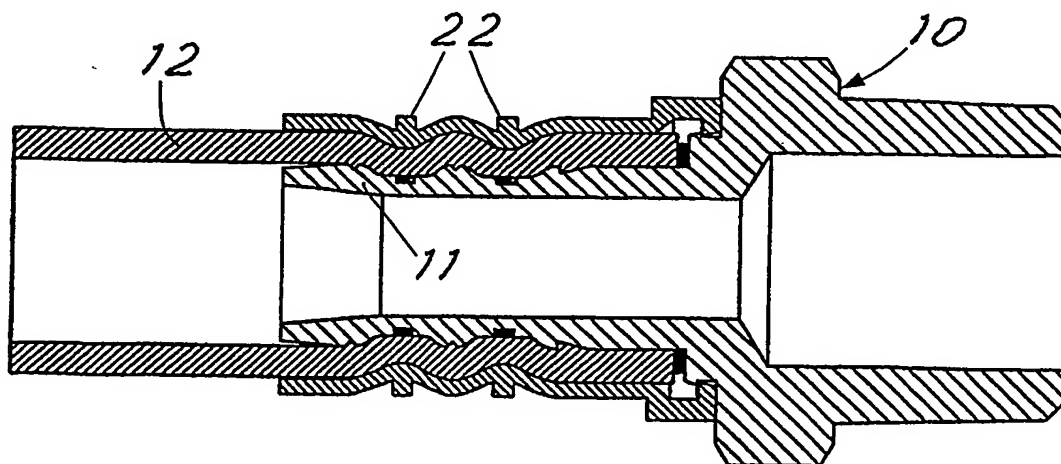
(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPRESSION FITTING FOR PIPES



(57) Abstract: A compression fitting for rigid or semi-rigid pipes comprising an internal element (11) onto which the pipe (12) is fitted and into which at least one circumferential groove (13) is machined and an external sleeve (20) usually cylindrical is positioned around the pipe and intended to be deformed by radial compression to push the wall of the pipe inside said groove. The external wall of the sleeve (20) bears a circumferential protruding bead (22) in line with its area which is found in line with the groove of the internal element with interposition of the wall of the pipe, so that the compression of the sleeve by action of a cylindrical pressing wall (30) acts on the bead to deform the sleeve with the purpose of pushing the wall of the pipe inside said groove of the internal element.